

# Vaclav Petricek

## List of Publications by Year in descending order

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202  
papers

7,829  
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204  
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204  
docs citations

204  
times ranked

8434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallographic Computing System JANA2006: General features. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 345-352.	0.8	3,399
2	X-ray analysis of the incommensurate modulation in the 2:2:1:2 Bi-Sr-Ca-Cu-O superconductor including the oxygen atoms. Physical Review B, 1990, 42, 387-392.	3.2	185
3	Structure refinement using precession electron diffraction tomography and dynamical diffraction: theory and implementation. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, 235-244.	0.1	128
4	Structure refinement using precession electron diffraction tomography and dynamical diffraction: tests on experimental data. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 740-751.	1.1	115
5	Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> : A Temperature-Dependent Structure Investigation. Acta Crystallographica Section B: Structural Science, 1997, 53, 337-345.	1.8	113
6	Refinement of modulated structures against X-ray powder diffraction data with JANA2000. Journal of Applied Crystallography, 2001, 34, 398-404.	4.5	109
7	On the use of crenel functions for occupationally modulated structures. Acta Crystallographica Section A: Foundations and Advances, 1995, 51, 529-535.	0.3	103
8	Contribution of powder diffraction for structure refinements of aperiodic misfit cobalt oxides. Journal of Applied Crystallography, 2004, 37, 823-831.	4.5	72
9	The modulated structure of Ba <sub>0.39</sub> Sr <sub>0.61</sub> Nb <sub>2</sub> O <sub>6</sub> . I. Harmonic solution. Acta Crystallographica Section B: Structural Science, 2003, 59, 28-35. Single magnetic chirality in the magnetoelectric $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML" \rangle$	1.8	70

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#	ARTICLE	IF	CITATIONS
19	Five-dimensional structure refinement of natural melilite, (Ca <sub>1.89</sub> Sr <sub>0.01</sub> Na <sub>0.08</sub> K <sub>0.02</sub> )(Mg <sub>0.92</sub> Al <sub>0.08</sub> )(Si <sub>1.98</sub> Al <sub>0.02</sub> )O <sub>7</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 739-746.	1.8	56
20	Oriental disorder in phenanthrene. Structure determination at 248, 295, 339 and 344 K. <i>Acta Crystallographica Section B: Structural Science</i> , 1990, 46, 830-832.	1.8	55
21	Determination of the modulated structure of Sr <sub>14</sub> /11CoO <sub>3</sub> through a (3 + 1)-dimensional space description and using non-harmonic ADPs. <i>Acta Crystallographica Section B: Structural Science</i> , 1999, 55, 841-848.	1.8	50
22	Structures and phase transitions of the A <sub>7</sub> PSe <sub>6</sub> (A = Ag, Cu) argyrodite-type ionic conductors. III. $\hat{1}\pm$ -Cu <sub>7</sub> PSe <sub>6</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 972-979.	1.8	50
23	Refinement of the Crystal Structure of Cronstedtite-1T. <i>Clays and Clay Minerals</i> , 2000, 48, 331-338.	1.3	50
24	Location of Fluoride Counterion in As-Synthesized Silicalite-1 by Single Crystal X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1110-1117.	2.6	49
25	Structural Features of the Modulated BiCu <sub>2</sub> (P <sub>1-x</sub> V <sub>x</sub> )O <sub>6</sub> Solid Solution; 4-D Treatment of $x = 0.87$ Compound and Magnetic Spin-Gap to Gapless Transition in New Cu <sub>2</sub> +Two-Leg Ladder Systems. <i>Journal of the American Chemical Society</i> , 2006, 128, 10857-10867.	13.7	48
26	High-temperature structural phase transition in studied by in-situ X-ray diffraction and transmission electron microscopy. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1515-1523.	2.9	46
27	Effect of Nonmagnetic Substituents Mg and Zn on the Phase Competition in the Multiferroic Antiferromagnet MnWO <sub>4</sub> . <i>Chemistry of Materials</i> , 2009, 21, 5203-5214.	6.7	45
28	Structures and Phase Transitions of the A <sub>7</sub> PSe <sub>6</sub> (A = Ag, Cu) Argyrodite-Type Ionic Conductors. I. Ag <sub>7</sub> PSe <sub>6</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , 1998, 54, 376-383.	1.8	44
29	High-resolution synchrotron x-ray powder diffraction study of the incommensurate modulation in the martensite phase of $\text{Ni}_{1-x}\text{Mn}_x\text{MnGa}_2$ . Evidence for nearly 7M modulation and phason broadening. <i>Physical Review B</i> , 2014, 90, .	3.2	43
30	THE CRYSTAL STRUCTURE OF ROXBYITE, Cu <sub>58</sub> S <sub>32</sub> . <i>Canadian Mineralogist</i> , 2012, 50, 423-430.	1.0	42
31	The incommensurate modulation in the Bi <sub>2</sub> Sr <sub>2-x</sub> CaxCuO <sub>6</sub> superconductor, and its relation to the modulation in Bi <sub>2</sub> Sr <sub>2-x</sub> CaxCu <sub>2</sub> O <sub>8</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 160, 431-438.	1.2	41
32	Structures and phase transitions of the A <sub>7</sub> PSe <sub>6</sub> (A = Ag, Cu) argyrodite-type ionic conductors. II. $\hat{1}^2$ - and $\hat{1}^3$ -Cu <sub>7</sub> PSe <sub>6</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 402-408.	1.8	41
33	Study of the antiferromagnetism of Mn <sub>5</sub> Si <sub>3</sub> : an inverse magnetocaloric effect material. <i>Journal of Materials Chemistry</i> , 2012, 22, 15275.	6.7	41
34	Discontinuous modulation functions and their application for analysis of modulated structures with the computing system JANA2006. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016, 231, 301-312.	0.8	41
35	Structure of the light-induced metastable state SII in Na <sub>2</sub> [Fe(CN) <sub>5</sub> NO]·2H <sub>2</sub> O. <i>Physical Review B</i> , 2005, 71, .	3.2	39
36	Synthesis, crystal structure and spectral characteristics of highly fluorescent chalcone-based coumarin in solution and in polymer matrix. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 188-193.	4.0	38

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37	Structural evolution of ZTA composites during synthesis and processing. Journal of the European Ceramic Society, 2015, 35, 1273-1283.	5.7	38
38	Structure of Crystalline (C5Me5)ReO3 and Implied Nonexistence of "(C5Me5)Tc2O3". Inorganic Chemistry, 1995, 34, 4253-4255.	4.0	37
39	Use of [SbF <sub>6</sub> ] <sup>+</sup> to Isolate Cationic Copper and Silver Adducts with More than One Ethylene on the Metal Center. Organometallics, 2013, 32, 3034-3041.	2.3	36
40	Electronic properties of a distorted kagome lattice antiferromagnet $\text{DyMn}_2\text{O}_7$ . Physical Review B, 2014, 90, .	3.2	36
41	Room-temperature tetragonal non-collinear Heusler antiferromagnet Pt <sub>2</sub> MnGa. Nature Communications, 2016, 7, 12671.	12.8	35
42	Realization of the kagome spin ice state in a frustrated intermetallic compound. Science, 2020, 367, 1218-1223.	12.6	35
43	The description and analysis of composite crystals. Acta Crystallographica Section A: Foundations and Advances, 1991, 47, 210-216.	0.3	33
44	A single-crystal x-ray and HRTEM study of the heavy-fermion compound. Journal of Physics Condensed Matter, 1996, 8, 4485-4493.	1.8	33
45	Methods of structural analysis and computer program JANA2000. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, .	0.8	33
46	Revision of Ferroelastic Structures of n-Heptyl- and n-Octylammonium Dihydrogen Phosphate Crystals. Acta Crystallographica Section B: Structural Science, 1997, 53, 272-279.	1.8	31
47	Intricate disorder in defect fluorite/pyrochlore: a concord of chemistry and crystallography. Scientific Reports, 2017, 7, 3727.	3.3	31
48	New Layered Compounds through Polysulfide Flux Synthesis; A <sub>2</sub> Sn <sub>4</sub> S <sub>9</sub> (A=K, Rb, Cs) Present a New Form of the [Sn <sub>4</sub> S <sub>9</sub> ] <sup>2-</sup> Network. Journal of Solid State Chemistry, 1998, 141, 17-28.	2.9	30
49	An exceptional series of phase transitions in hydrophobic amino acids with linear side chains. IUCrJ, 2016, 3, 341-353.	2.2	29
50	Effect of crystal freezing and small-molecule binding on internal cavity size in a large protein: X-ray and docking studies of lipoxygenase at ambient and low temperature at 2.0 Å resolution. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 766-775.	2.5	28
51	Neutron diffraction shows a photoinduced isonitrosyl linkage isomer in the metastable state of Na <sub>2</sub> [Fe(CN) <sub>5</sub> NO]·2D <sub>2</sub> O. Physical Review B, 2006, 73, .	3.2	28
52	Improved Thermoelectric Characteristics of Si-Doped Misfit-Layered Cobaltite. Journal of Electronic Materials, 2011, 40, 1042-1045.	2.2	28
53	A (3 + 3)-Dimensional Hypercubic Oxide-Ionic Conductor: Type II Bi <sub>2</sub> O <sub>3</sub> ·Nb <sub>2</sub> O <sub>5</sub> . Journal of the American Chemical Society, 2013, 135, 6477-6484.	13.7	28
54	Phase Transition in K <sub>3</sub> Na(MoO <sub>4</sub> ) <sub>2</sub> and Determination of the Twinned Structures of K <sub>3</sub> Na(MoO <sub>4</sub> ) <sub>2</sub> and K <sub>2.5</sub> Na <sub>1.5</sub> (MoO <sub>4</sub> ) <sub>2</sub> at Room Temperature. Acta Crystallographica Section B: Structural Science, 1997, 53, 596-603.	1.8	27

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55	Zn $^{1-x}$ Pdx( $x=0.14\text{--}0.24$ ): a missing link between intergrowth compounds and quasicrystal approximants. <i>Philosophical Magazine</i> , 2006, 86, 419-425.	1.6	27
56	Syntheses and study on nickel and copper complexes with 1,3,5-benzenetricarboxylic acid. Crystal and molecular structure of [Cu <sub>3</sub> (mdpta) <sub>3</sub> (btc)](ClO <sub>4</sub> ) <sub>3</sub> ·4H <sub>2</sub> O. <i>Polyhedron</i> , 2007, 26, 535-542.	2.2	27
57	The modulated structure of the commensurate misfit-layer compound (BiSe) <sub>1.09</sub> TaSe <sub>2</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , 1993, 49, 258-266.	1.8	26
58	Hexamethylenetetramine Sebacate, an Incommensurate Structure with Large Nonsinusoidal Modulations: Comparison of Two Refinement Strategies. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1998, 54, 31-43.	0.3	25
59	The commensurately modulated structure of the lock-in phase of synthetic Co-Åkermanite, Ca <sub>2</sub> CoSi <sub>2</sub> O <sub>7</sub> . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2000, 215, 102-109.	0.8	25
60	Magnetic anisotropy and reduced neodymium magnetic moments in Nd <sub>3</sub> Ru <sub>4</sub> Al <sub>12</sub> . <i>Physical Review B</i> , 2016, 93, .	3.2	24
61	SQUID behavior at liquid nitrogen temperature in high-T <sub>c</sub> superconductors of the type Y-Ba-Cu-O. <i>Journal of Low Temperature Physics</i> , 1988, 70, 187-190.	1.4	23
62	Refinement of the Crystal Structure of Cronstedtite-3T. <i>Clays and Clay Minerals</i> , 1994, 42, 544-551.	1.3	23
63	Reducing the positional modulation of NbO <sub>6</sub> -octahedra in Sr <sub>x</sub> Ba <sub>1-x</sub> Nb <sub>2</sub> O <sub>6</sub> by increasing the barium content: A single crystal neutron diffraction study at ambient temperature for x = 0.61 and x = 0.34. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2008, 223, 399-426.	0.8	23
64	The crystal structure of franckeite, Pb <sub>21.7</sub> Sn <sub>9.3</sub> Fe <sub>4.0</sub> Sb <sub>8.1</sub> S <sub>56.9</sub> . <i>American Mineralogist</i> , 2011, 96, 1686-1702.	1.9	23
65	New insights into the structure, chemistry, and properties of Cu <sub>4</sub> Sn <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , 2017, 253, 192-201.	2.9	23
66	Superspace-symmetry determination and multidimensional refinement of the incommensurately modulated structure of natural fresnoite. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 1031-1037.	1.8	22
67	Multiple anion... interactions in tris(1,10-phenanthroline- <sup>2</sup> -N<i>N</i>)<sup>2</sup>-iron(II) bis[1,1,3,3-tetracyano-2-(2-hydroxyethyl)propenide] monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1351-1356.	0.4	22
68	Importance of True Satellite Reflections in the Analysis of Modulated, Composite Crystal Structures. I. A New Refinement of [M <sub>2</sub> Cu <sub>2</sub> O <sub>3</sub> ] <sub>7</sub> [CuO <sub>2</sub> ] <sub>10</sub> , M = Bi <sub>0.06</sub> Sr <sub>0.46</sub> Ca <sub>0.48</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , 1997, 53, 113-124.	1.8	21
69	Importance of True Satellite Reflections in the Analysis of Modulated, Composite Crystal Structures. II. The Structure of [M' <sub>2</sub> Cu <sub>2</sub> O <sub>3</sub> ] <sub>7</sub> [CuO <sub>2</sub> ] <sub>10</sub> , M' = Bi <sub>0.04</sub> Sr <sub>0.96</sub> . <i>Acta Crystallographica Section B: Structural Science</i> , 1997, 53, 125-134.	1.8	21
70	Cubic Octanuclear Aluminum Fluoride Phosphonate. <i>Inorganic Chemistry</i> , 2006, 45, 6562-6564.	4.0	21
71	Structural properties of Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> in the temperature range 10–500 K investigated by high-resolution neutron powder diffraction and specific heat measurements. <i>Physical Review B</i> , 2006, 74, .	3.2	21
72	Modular crystals as modulated structures: the case of the lillianite homologous series. <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 684-701.	1.8	21

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73	Assignment of $f^{\sim}$ bands in Ce-doped		

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91	INTERPRETATION OF SELECTED STRUCTURES OF THE BISMUTHINITE - AIKINITE SERIES AS COMMENSURATELY MODULATED STRUCTURES. Canadian Mineralogist, 2006, 44, 189-206.	1.0	17
92	GdCo <sub>1-x</sub> Ga <sub>3</sub> Ge:Â Charge Density Wave in a Ga Square Net. Journal of the American Chemical Society, 2007, 129, 3082-3083.	13.7	17
93	Crystal structure of a synthetic tin-selenium representative of the cylindrite structure type. American Mineralogist, 2008, 93, 1787-1798.	1.9	17
94	Synthesis, growth and characterization of 4-bromo-4-â€²-nitrobenzylidene aniline (BNBA): a novel nonlinear optical material with a (3+1)-dimensional incommensurately modulated structure. CrystEngComm, 2013, 15, 2474.	2.6	17
95	The interface-modulated structure of TaSi <sub>0.360</sub> Te <sub>2</sub> . Acta Crystallographica Section B: Structural Science, 1994, 50, 119-128.	1.8	16
96	Growth of crystals, composite crystal structures and electrical resistance of high-pressure phases of Mg <sub>2</sub> B <sub>1+x</sub> (B=Sn,Ge). Journal of Alloys and Compounds, 1998, 278, 29-33.	5.5	16
97	Long-range ordering during delithiation of LiMn <sub>2</sub> O <sub>4</sub> cathode material. Journal of Materials Chemistry, 2003, 13, 585-589.	6.7	16
98	Two-dimensional lanthanide coordination polymers with bis(diphenylphosphino)hexane dioxide. The determination of the polymeric structure from twinned crystals. Polyhedron, 2008, 27, 283-288.	2.2	16
99	Structural phase transitions in SrRn <sub>2</sub> As <sub>2</sub> Physical Review B, 2012, 85, 080401.	3.2	16
100	Refinement of high pressure single-crystal diffraction data using Jana2006. High Pressure Research, 2013, 33, 196-201.	1.2	16
101	Complex magnetic order in the kagome ferromagnet Pr <sub>3</sub> Physical Review B, 2018, 97, .	1.6	16
102	(3 + 2)-Dimensional superspace approach to the structure of the incommensurate intergrowth compound: (SbS) <sub>1.15</sub> TiS <sub>2</sub> . Acta Crystallographica Section B: Structural Science, 1995, 51, 275-287.	1.8	15
103	Ag <sub>2</sub> Ti <sub>2</sub> P <sub>2</sub> S <sub>11</sub> : A New Layered Thiophosphate. Synthesis, Structure Determination and Temperature Dependence of the Silver Distribution. Acta Crystallographica Section B: Structural Science, 1997, 53, 67-75.	1.8	15
104	Modulated structure of nepheline. Acta Crystallographica Section B: Structural Science, 2011, 67, 18-29.	1.8	15
105	Structural phase transitions in SrRn <sub>2</sub> As <sub>2</sub> Physical Review B, 2012, 85, 080401.	3.2	15
106	The low-temperature phase transition sequence of the halide perovskite tetramethylammonium trichlorogermanate(II) and the structure of its incommensurately modulated Î¹-phase. Acta Crystallographica Section B: Structural Science, 1995, 51, 768-779.	1.8	14
107	Toward a better understanding of the magnetocaloric effect: An experimental and theoretical study of MnFe <sub>4</sub> Si <sub>3</sub> . Journal of Solid State Chemistry, 2014, 216, 56-64.	2.9	14
108	A Comparison of On-Line Computer Science Citation Databases. Lecture Notes in Computer Science, 2005, , 438-449.	1.3	14

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109	Electronic structure of two isostructural 'paddle-wheel' complexes: a comparative study. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 681-692.	1.1	14
110	Incommensurate modulations in the lead-doped bismuth strontium calcium copper oxide 221 superconducting phase: a five-dimensional superspace description. Chemistry of Materials, 1990, 2, 323-328.	6.7	13
111	Modulated Structure of TaSi <sub>0.414</sub> Te <sub>2</sub> : Sandwich Stacking in the MAxTe <sub>2</sub> (M = Nb, Ta; A = Si, Ge; 1/3) Tj ETQq <sub>1</sub> 1 0.784314 rgBT /Overlock	6.7	13
112	A Unique Distortion in K <sub>1/3</sub> Ba <sub>2/3</sub> AgTe <sub>2</sub> : X-ray Diffraction Determination and Electronic Band Structure Analysis of Its Incommensurately Modulated Structure. Inorganic Chemistry, 2000, 39, 1398-1409.	4.0	13
113	Structural study of the cation ordering in the ternary oxide Ba <sub>8</sub> Ti <sub>3</sub> Nb <sub>4</sub> O <sub>24</sub> . Solid State Sciences, 2002, 4, 1129-1136.	3.2	12
114	Modulated one-dimensional structure of [Cd(NH <sub>3</sub> ) <sub>3</sub> Ni(CN) <sub>4</sub> ]. Acta Crystallographica Section B: Structural Science, 2005, 61, 280-286.	1.8	12
115	Spiral ground state against ferroelectricity in the frustrated magnet BiMnFe $\begin{matrix} \text{O} \\ \text{O} \\ \text{O} \end{matrix}$	3.2	12
116	11-fold Superstructure of TaGe <sub>4/11</sub> Te <sub>2</sub> : A Novel Response to Charge Transfer in the MAxTe <sub>2</sub> (M = Nb, Ta; Tj ETQq <sub>0</sub> 0 0 rgBT /Overlock	4.0	11
117	Ferroelastic structures of n-pentyl-, n-hexyl- and n-nonylammonium dihydrogenphosphate crystals. Acta Crystallographica Section B: Structural Science, 2000, 56, 906-914.	1.8	11
118	The incommensurately modulated structure of NiBi. Solid State Sciences, 2000, 2, 353-363.	3.2	11
119	Disorder versus structure analysis in intergrowth urea inclusion compounds. Journal of Physics Condensed Matter, 2001, 13, 1653-1668.	1.8	11
120	SIMULTANEOUS REFINEMENT OF TWO COMPONENTS OF AN EXSOLUTION INTERGROWTH: CRYSTAL STRUCTURES OF THE LINDSTROMITE - KRUPKAITE PAIR. Canadian Mineralogist, 2008, 46, 525-539.	1.0	10
121	The crystal structure of Yb <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ·3H <sub>2</sub> O and its decomposition product, $\hat{1}^2$ -Yb <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> . Journal of Solid State Chemistry, 2011, 184, 2322-2328.	2.9	10
122	(3 + 1)-dimensional crystal and antiferromagnetic structures in CeRuSn. Journal of Physics Condensed Matter, 2014, 26, 122201.	1.8	10
123	Structural, mechanical, spectroscopic and thermodynamic characterization of the copper-uranyl tetrahydroxide mineral vandenbrandeite. RSC Advances, 2019, 9, 40708-40726.	3.6	10
124	Crystal Structure of the Incommensurately Modulated Nd-Containing Bi-2222 Phase. Journal of Solid State Chemistry, 1994, 109, 74-82.	2.9	9
125	Re-Refinement of Composite Modulated Nb <sub>2</sub> Zr <sub>x</sub> O <sub>2x+1</sub> (x = 8) Using Synchrotron Radiation Data. Acta Crystallographica Section B: Structural Science, 1997, 53, 851-860.	1.8	9
126	Superspace approach applied to a neutron-diffraction study of the holographic data storage material Sr <sub>0.61</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s963-s965.	2.3	9



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127	Incommensurate modulations in a hollandite phase $Ba_x (Al, Fe)_2x Ti_8 \times O_{16}$ intended for the storage of radioactive wastes: a (3+1) dimension structure determination. <i>Zeitschrift für Kristallographie</i> , 2007, 222, 383-390.	1.1	9
128	Commensurate to incommensurate magnetic phase transition in honeycomb-lattice pyrovanadate $Mn_2V_2O_7$ . <i>Physical Review Materials</i> , 2019, 3, .	2.4	9
129	Structures of Fluoroarsenates $KAsF_6n (OH)_n$ , $n = 0, 1, 2$ : Application of the Heavy-Atom Method for Modulated Structures. <i>Acta Crystallographica Section B: Structural Science</i> , 1998, 54, 809-818.	1.8	8
130	The incommensurate structure of $K_3In(PO_4)_2$ . <i>Acta Crystallographica Section B: Structural Science</i> , 2003, 59, 17-27.	1.8	8
131	The role of second coordination-sphere interactions in incommensurately modulated structures, using $\hat{I}^2-K_5Yb(MoO_4)_4$ as an example. <i>Acta Crystallographica Section B: Structural Science</i> , 2005, 61, 400-406.	1.8	8
132	Neutron photocrystallography: simulation and experiment. <i>Zeitschrift für Kristallographie</i> , 2008, 223, .	1.1	8
133	Simulation of modulated protein crystal structure and diffraction data in a supercell and in superspace. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1062-1072.	2.5	8
134	Could incommensurability in sulfosalts be more common than thought? The case of meneghinite, $CuPb_{13}Sb_7S_{24}$ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 369-376.	1.1	8
135	Precession electron diffraction tomography on twinned crystals: application to $CaTiO_3$ thin films. <i>Journal of Applied Crystallography</i> , 2019, 52, 626-636.	4.5	8
136	Composite Crystals: What Are They and Why Are They so Common in the Organic Solid State?. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990, 181, 81-90.	0.3	7
137	Modulated structure of $La_2Co_{1.7}$ from neutron and X-ray diffraction data. <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 959-971.	1.8	7
138	Superspace description of the structure of the composite crystal urea/n-octane at room temperature. <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 378-385.	1.8	7
139	The anionic 3D-framework $[Ga_2(PO_4)_3]^{2-}$ : a microporous host lattice for various species. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3581-3589.	2.9	7
140	Composite Behavior and Multidegeneracy in High-Pressure Phases of Cs and Rb. <i>Physical Review Letters</i> , 2007, 99, 025502.	7.8	7
141	$C_6H_4S_2AsCl$ : description and interpretation of an incommensurately modulated molecular crystal structure. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013, 69, 496-508.	1.1	7
142	Conspicuous variation of the lattice unit cell in the pavonite homologous series and its relation with cation/anion occupational modulations. <i>Materials Research Bulletin</i> , 2013, 48, 2166-2174.	5.2	7
143	Microscopic Nature of the First-Order Field-Induced Phase Transition in the Strongly Anisotropic Ferrimagnet $HoFe_5$ . <i>Physical Review Letters</i> , 2019, 122, 127205.	7.8	7
144	Structure analysis of modulated molecular crystals: The modulated phase of thiourea as described by a molecular displacement model. <i>Physical Review B</i> , 1988, 37, 1825-1831.	3.2	6

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